XT-3

GET MORE OUT OF NOW

PRODUCTION
& MEDIA SERVER

EVS

MORE
POWER.
CHANNELS.
CAPABILITIES.

The new generation of EVS XT servers, with its flexible twelve channel SD/HD, six channel 3D/1080p or three channel 4K configuration can be set in any in/out combination. It combines EVS' world-class speed & reliability with the ultimate capabilities and performance and offers full SuperMotion 3D control. With support of up to 12 XDCAMHD record channels, there is also a drastic space reduction compared to VTRs.

XT3 integrates today's top broadcast and IT technologies to offer broadcasters and producers unparalleled motion control and adaptability.

Based on its unique Loop Recording technology and its powerful networking capabilities, XT3 offers operators complete media control from ingest to playout, including live editing, slow-motion replays, multi-channels playback, and transfer to third-party systems such as craft editors, automation, archiving, or storage.

The XT3 is the first server to natively support such a wide range of codecs without requiring hardware changes, allowing production teams to easily choose amongst the various compression schemes they want to use throughout the entire edit process. The XT3 now offers dualmode support, which means it simultaneously encodes video under two different high-res codecs while recording. The dualmode encoding process combines i-Frame codecs and XDCAM HD. Designed to boost broadcasters' live and near-live production capabilities, the XT3 provides operators with the highest level of bandwidth, flexibility and control available in the industry today.

MAIN APPLICATIONS

- **Live OB/Remote production**
- **Studio ingest**
- **Live studio production**
- **Content control & delay**
- **Fast turnaround production**
- **Scenarized production**
- **VTR replacement**

MAIN CAPABILITIES

MULTI-CHANNEL INGEST & PLAYOUT

The XT3 supports up to 12 HD channels with flexible configuration. It provides secure multi-channel ingest capabilities for audio/video content from any source, including cameras, super/ultra/hyper motion cameras, satellite, craft editors, graphic tools, video recorders or video tape recorders. With its DualPower technology, the XT3 can be configured to support up to 6 3D/1080p channels (in single 3G link or dual link) in any In/Out combination, with SuperMotion 3D control.

Based on EVS' unique multi-channel loop recording technology, any audio/video recorded material can be instantly used for random access replay - including 4K - or transfered to production or post production along with the other associated angles, offering additional flexibility to your creative teams.

FLEXIBLE CONFIGURATION

The XT3 platform can be set up to play or record with up to 12 SD/HD channels configurable in any type of in/out mode and up to 192 audio tracks per system. It supports 4K live replays by ingesting three 4K channels, configuring them as either: one in/one out, one in/two out or two in/one out. Switching between NTSC, PAL, 3D, 720p, 1080i and 1080p is quick and easy. The XT3 also fully and natively supports most popular SD and HD codecs, including M-JPEG, IMX, DVCPRO50, MPEG-2 intra for HD, Avid DNxHD®codec, ProRes 422 and ProRes 422 HQ, DVCPRO HD, AVCIntra, XAVC and XDCAMHD. The XT3 requires no transcoding to deliver XDCAMHD (meaning no speed issues and no loss of quality).

RELIABLE ARCHITECTURE

The XT3 hardware and software were designed by highly-skilled EVS engineers based on customer feedback and has become the most reliable and field-proven live production solution on the market. The XT3 is designed with advanced reliability features such as RAID technology, redundant and hot-swappable power supplies, as well as internal and external hot swap disk array to guarantee that there will be no operational failures during production. Faulty disks are automatically replaced by pre-installed hot spare disks, without disrupting the server or harming the bandwidth.

EVS CONTROL

The XT3 production server is complemented by a set of live and near-live hardware and software production tools, providing broadcasters with a fine-tuned solution for accessing and managing their media. IPDirector and LSM Remote give you full control of the XT3 server for ingest, slow motion replays, metadata management, production network control, on-the-fly editing, media transfer, and playout. EVS also offers a set of highly flexible archiving and storage hardware and software tools that can be adapted to your individual production needs.

THIRD-PARTY CONTROL

The XT3, in SpotBox mode, is designed for playback applications under third-party control. The system can be fully controlled by switchers and controllers, automation systems or edit controllers, for channel control and direct access to the record/play channels. The XT3 accepts most popular control protocols, such as VDCP, Odetics, Sony BVW75, and Thomson XtenDD-35. EVS proposes its own API for easy integration with third-party applications: AVSP for RS-422 integration and LinX API for TCP/IP integration.

The Spotbox mode is a true VTR replacement that complements live studio production requirements. It can be controlled directly by a production switcher to playback clips, music, stills and graphics (with Fill & Key support) or loop clips as a moving background.

- True VTR replacement solution
- Operators can pick the right channel configuration and control protocol on a job by job basis.

THIRD-PARTY INTEGRATION

Based on its open architecture platform, the XT3 can be easily integrated with virtually all third-party tools and most popular craft editors, including Avid Media Composer, Apple Final Cut Pro, Adobe Premiere, and Quantel, among others. The XT3 multiple media transfer process fulfills the most complex post-production requirements such as feed streaming and the ability to edit while recording. The server integrates seamlessly into Media Asset Management systems as well.

Media available on the XT3 can be made immediately available on any of the new media entertainment devices through EVS' media repurposing tools or third-party systems, so you can deliver your production via the Web, tablets, mobile phones, or any other device.

XT3 servers can be supplied with EVS' XTAccess software, which handles on-the-fly transcoding, re-wrapping, and media conforming. These steps are managed automatically and transparently and are fully compliant with all non native formats.

SCALABILITY & UPGRADES

Expanding the XT3 production workflow to fit your production needs is a simple and hassle-free process. EVS professionals are readily available to advise you on how to boost your workflow, whether it involves adding more I/O ports or upgrading from SD to HD with multiple configurations. Distributed storage for massive online access and scalable near-line storage means that you never run out of capacity. And it is always possible to add new servers to increase the number of in/out channels, transfer capacities, bandwidth, etc.

CONTROLLERS

CONTROL AT **YOUR FINGERTIPS**

LSM

Present in nearly all OB production units in the world, the LSM controller has become a reliable standard for live control. Intuitive, fast, and complete, it places the action at your fingertips, bringing you a whole new range of possibilities.

IP.Director

IPDirector is a complete suite of production management applications that allows users to easily ingest, log, manage, search, track, edit, create clips and highlights, browse, delay, control, and ultimately playout any video or audio content instantly.

MPlay

MPlay is an intuitive remote control system that is used for the playout of clips, playlists and graphics. All MPlay functions are fully configurable with IPDirector software.

LSM Connect

Directly connected to LSM remote, LSM Connect gives you instant access and control of all clips and playlists created during live broadcast production using the EVS LSM Controller. Practical features - from clips indexing, searching to dragging and dropping in a playlist - are quicker and easier to manage.

THE 12 CHANNEL SERVER

LOOP RECORDING

EVS ingest solutions and loop recording guarantee uninterrupted multi-channel recording and access to recorded material at any time. Recording starts as soon as the server is booted, and remains on until the server is shut down. Recording capacity can be configured separately for each recording channel. Selected sequences can be protected and kept for as long as required without interrupting the recording process. Material can be recorded on internal or external disks.

DUAL NETWORKING

The XT3 can be linked to either one or two separate networks :

The EVS high-bandwidth media sharing network called XNet[2], which allows all video and audio sources recorded on any server connected to the network to be instantly accessible to operators without any interruption of the recording process. The XNet[2] is used mainly for critical transfers during live productions.

The XT3 also offers advanced gigabit Ethernet network capabilities, so that operators can browse and preview content stored on the server and transfer media files directly to third-party systems.

KEY FEATURES

- **Up to 12 SD/HD Video Channels**
- **6 Full 3D/1080p Video Channels**
- **Up to 550 Mbps Bitrate per Video Channel**
- **Mix on One Channel Capabilities**
- **2 Chassis Versions 6RU & 4RU for Maximum Flexibility**
- **3D SuperMotion**
- **Ready for 3G SDTI Network**

CUSTOMER SUPPORT & TRAINING

Our clients range from TV stations and rights owners to video equipment providers and production houses worldwide. We listen, analyse existing workflows, anticipate customer needs, and implement effective, highly reliable solutions. Enabling our customers to provide top-quality TV programming and enriched content to millions of viewers across the globe is our top priority.

CUSTOMER SUPPORT

Our products should function in ways that meet your specific needs and expectations - every minute of every day. That's why our technical support is always on, 24/7 from each of our regional offices. Someone is always available to answer any question, large or small.

Every person in EVS' technical support team is a qualified technician with a solid background in broadcasting. They understand your requirements and will work tirelessly to answer your question and resolve your support issue enabling you to focus on your job.

TRAINING

Interested in learning how to operate EVS systems and applications or getting more out of our solutions?

Let us show you how. We offer a wide range of courses on how to operate EVS products – from beginner to expert – taught in-house by industry professionals. We also carry out some sessions through a simple web interface, so you can benefit from hands-on instruction - even at a distance. EVS user guides and technical documents are also available free of charge at our website (just click Downloads on our homepage).

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